

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION EC-66

Effective Date: July 1, 2013

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **August 2015**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.*

**Vinyl Siding products** manufactured by:

**Exterior Portfolio L.L.C.**  
**1441 Universal Road**  
**Columbus, OH 43207**  
**Telephone: (614) 754-3488**

will be accepted for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

## PRODUCT DESCRIPTION

This evaluation report applies to the following vinyl siding products:

### Horizontal Siding:

| Assembly Number on Drawings | Drawing Number | Product Name        | Profile                         | Exposure (in.) | Panel Thickness (in.) |
|-----------------------------|----------------|---------------------|---------------------------------|----------------|-----------------------|
| 1                           | 08-01782       | American Dream Edge | D4 Double 4" Clapboard          | 8              | 0.040                 |
| 2                           | 08-01782       | Parkview            | D4Cedar Double 4" Cedar         | 8              | 0.042                 |
| 3                           | 08-01782       | American Dream Edge | D4DL Double 4" Dutchlap         | 8              | 0.040                 |
| 4                           | 08-01782       | Premium Pointe      | D4PPTM Double 4" Clapboard      | 8              | 0.044                 |
| 5                           | 08-01782       | Market Square       | D4STD Double 4"                 | 8              | 0.044                 |
| 6                           | 08-01782       | Market Square       | D45DLSTD Double 4 1/2" Dutchlap | 9              | 0.043                 |
| 7                           | 08-01782       | Premium Pointe      | D45PPTM Double 4 1/2" Dutchlap  | 9              | 0.046                 |
| 8                           | 08-01782       | American Dream Edge | D5DL Double 5" Dutchlap         | 10             | 0.040                 |
| 9                           | 08-01782       | Parkview            | D5Cedar Double 5" Clapboard     | 10             | 0.042                 |
| 10                          | 08-01782       | Market Square       | D5STD Double 5"                 | 10             | 0.040                 |

**Horizontal Siding (continued):**

| Assembly on Drawings | Drawing Number | Product Name   | Profile                         | Exposure (in.) | Panel Thickness (in.)      |
|----------------------|----------------|----------------|---------------------------------|----------------|----------------------------|
| 11                   | 08-01782       | Craneboard     | TMD7IP Double 7" Insulated      | 14             | 0.047 with EPS Foam Max 1" |
| 13                   | 08-01782       | Carolina Sands | S65B Single 6½"                 | 6½             | 0.044                      |
| 14                   | 08-01782       | Craneboard     | TMT6IP Triple 6" Insulated      | 18             | 0.047 with EPS Foam Max 1" |
| 15                   | 08-01782       | Oracle         | TMQ4IP Quadruple 4" Insulated   | 16             | 0.043 with EPS Foam Max 1" |
| 16                   | 08-01782       | Oracle         | TMQ45IP Quadruple 4½" Insulated | 20             | 0.044 with EPS Foam Max 1" |
| 20                   | 08-01782       | Parkview       | D4DCG Double 4" Dutchlap        | 8              | 0.040                      |
| 21                   | 08-01782       | Parkview       | D5DCG Double 5" Dutchlap        | 10             | 0.040                      |

**Vertical Siding:**

| Assembly on Drawings | Drawing Number | Product Name | Profile   | Exposure (in.) | Panel Thickness (in.)       |
|----------------------|----------------|--------------|---|----------------|-----------------------------|
| 12                   | 08-01782       | Craneboard   | D10BBIP Double 10" Board and Batten Vertical Siding Insulated | 20             | 0.055 with EPS foam max. 1" |

**Soffit Siding:**

| Assembly on Drawings | Drawing Number | Product Name          | Profile               | Exposure (in.) | Panel Thickness (in.) |
|----------------------|----------------|-----------------------|-----------------------|----------------|-----------------------|
| 1                    | 08-1783        | Soffit Premium Pointe | PPSS 10" Soffit Solid | 10             | 0.041                 |
| 2                    | 08-1783        | Soffit                | T4SS 12" Soffit Solid | 12             | 0.035                 |

**LIMITATIONS**

**Design Drawings (Horizontal and Vertical):** The Exterior Portfolio LLC vinyl siding shall be installed in accordance with Exterior Portfolio LLC vinyl siding drawings, drawing number 08-01782, sheets 1-6 of 6, dated September 30, 2012, Revision A, signed and sealed by Luis R. Lomas, P.E. on May 23, 2013. The referenced drawings will be referred to as the "approved drawings" in this product evaluation report.

**Design Drawings (Soffits):** The Exterior Portfolio LLC vinyl siding shall be installed in accordance with Exterior Portfolio LLC vinyl siding drawings, drawing number 08-01783, sheets 1-2 of 2, dated September 30, 2012, signed and sealed by Luis R. Lomas, P.E. on September 30, 2012. The referenced drawings will be referred to as the "approved drawings" in this product evaluation report.

**Design Pressure:** The allowable design pressures for the vinyl siding products are specified in Tables 1-3.

**Table 1 – Horizontal Siding  
Design Wind Pressures**

| Assembly Number on Drawings | Drawing Number | Product Name        | Profile                         | Design Pressure Rating <sup>1</sup> (psf) |
|-----------------------------|----------------|---------------------|---------------------------------|---|
| 1                           | 08-01782       | American Dream Edge | D4 Double 4" Clapboard          | -55                                       |
| 2                           | 08-01782       | Parkview            | D4Cedar Double 4" Cedar         | -60.7                                     |
| 3                           | 08-01782       | American Dream Edge | D4DL Double 4" Dutchlap         | -83.3 (note 4)<br>-123.3 (note 5)         |
| 4                           | 08-01782       | Premium Pointe      | D4PPTM Double 4" Clapboard      | -126.3 (note 4)<br>-246.6 (note 5)        |
| 5                           | 08-01782       | Market Square       | D4STD Double 4"                 | -73.8 (note 4)<br>-117.2 (note 5)         |
| 6                           | 08-01782       | Market Square       | D45DLSTD Double 4 ½" Dutchlap   | -67.7 (note 4)<br>-154.1 (note 5)         |
| 7                           | 08-01782       | Premium Pointe      | D45PPTM Double 4 ½" Dutchlap    | -123.3 (note 4)<br>-160.5 (note 5)        |
| 8                           | 08-01782       | American Dream Edge | D5DL Double 5" Dutchlap         | -67.7 (note 4)<br>-70.8 (note 5)          |
| 9                           | 08-01782       | Parkview            | D5Cedar Double 5" Clapboard     | -67.7 (note 4)<br>-77.2 (note 5)          |
| 10                          | 08-01782       | Market Square       | D5STD Double 5"                 | -61.6 (note 4)<br>-117.2 (note 5)         |
| 11                          | 08-01782       | Craneboard          | TMD7IP Double 7" Insulated      | -66.9                                     |
| 13                          | 08-01782       | Carolina Sands      | S65B Single 6½"                 | -95.5 (note 4)<br>-123.3 (note 5)         |
| 14                          | 08-01782       | Craneboard          | TMT6IP Triple 6" Insulated      | -62.7                                     |
| 15                          | 08-01782       | Oracle              | TMQ4IP Quadruple 4" Insulated   | -46.1                                     |
| 16                          | 08-01782       | Oracle              | TMQ45IP Quadruple 4½" Insulated | -54.3 (note 4)<br>-64.9 (note 5)          |
| 20                          | 08-01782       | Parkview            | D4DCG Double 4" Dutchlap        | -83.3 (note 4)<br>-123.3 (note 5)         |
| 21                          | 08-01782       | Parkview            | D5DCG Double 5" Dutchlap        | -67.7 (note 4)<br>-70.8 (note 5)          |

**Note:** <sup>1</sup> Refer to drawing 08-01782 for note 4 and 5 fastener requirements.

**Table 2 – Vertical Siding  
Design Wind Pressures**

| Assembly on Drawings | Drawing Number | Product Name | Profile   | Design Pressure Rating <sup>1</sup> (psf) |
|----------------------|----------------|--------------|---|---|
| 12                   | 08-01782       | Craneboard   | D10BBIP Double 10" Board and Batten Vertical Siding | -41.9                                     |

**Note:** <sup>1</sup> Refer to drawing 08-01782 for note 4 and 5 fastener requirements.

**Table 3 – Soffit  
Design Wind Pressures**

| Assembly<br>on<br>Drawings | Drawing<br>Number | Product<br>Name          | Profile               | Design Pressure<br>Rating<br>(psf) |
|----------------------------|-------------------|--------------------------|-----------------------|------------------------------------|
| 1                          | 08-01783          | Soffit<br>Premium Pointe | PPSS 10" Soffit Solid | +66.6, -32.2                       |
| 2                          | 08-01783          | Soffit                   | T4SS 12" Soffit Solid | +66.6, -26.6                       |

## **INSTALLATION INSTRUCTIONS**

### **General Installation Requirements:**

#### **Fasteners:**

- Nail fasteners referenced in notes 4 and 5 on drawing number 08-01782 on page 1 of 6 shall be galvanized roofing nails,  $\frac{1}{8}$ " shank, with a minimum  $\frac{3}{8}$ " diameter head. For applications using note 5 on drawing number 08-01782, the roofing nail must use a  $\frac{1}{8}$ " x  $\frac{3}{4}$ " fender washer.
- Screw fasteners referenced in notes 4 and 5 on drawing number 08-01782 page 1 of 6 shall be No. 6 wood screws with  $\frac{1}{8}$ " x  $\frac{3}{4}$ " fender washer.
- Nail fasteners for siding referenced on drawing number 08-01783 shall be galvanized roofing nails,  $\frac{1}{8}$ " shank, with a minimum  $\frac{3}{8}$ " diameter head.

Fasteners shall be driven in the center of the nailing slot, leaving a minimum  $\frac{1}{32}$  inch space between the fastener head and the vinyl siding. Panels ends should be staggered from adjacent courses.

**Wall Sheathing:** As a minimum, the exterior surface of the wall shall be sheathed with  $\frac{1}{2}$ " thick plywood. If non-structural materials (such as foam or fiberboard) are applied over the wood structural sheathing, then the length of the fasteners used to secure the vinyl siding to the framing shall be increased by the thickness of the non-structural material.

**Wall Studs:** The maximum wall stud spacing shall not exceed 16 inches on center. Wall studs shall be minimum Hem-Fir dimension lumber.

**Starter Strips, Corner Posts and J-Channels:** Apply the starter strips with fasteners spaced a maximum of 8 inches on center. Corner posts shall have a fastener maximum spacing of 10 inches on center. Attach J-Channels to the framing member with a maximum fastener spacing of 10 inches on center.

**Soffit Furring Strip Anchor:** Apply the soffit furring strip with 10d nails spaced a maximum of 24 inches on center.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.